

REMARKS

Claim 1 remains in the application with claim 1 having been amended hereby. Claims 2-33 have been previously canceled.

The Examiner has indicated that copies of the foreign documents cited in the IDS of May 27, 2005 have not been received. Accordingly, additional copies of these foreign documents are provided herewith and the Applicants respectfully request that they be considered.

The Examiner has asked that the Applicants identify support in the specification for the "newly added managing function." Independent claim 1, as amended, includes **first management information for managing respective program names corresponding to the programs recorded on the program area** and second management information comprising a first **special code for partitioning range information of program numbers and group names** forming the plurality of programs and a second special code for partitioning each of the respective code names" (emphasis added). This matter is supported, for example, in the Summary of the Invention at pages 5 and 6 of the original specification, where it states (emphasis added):

In one aspect, the present invention provides a recording medium in which a plurality of programs are collected into a plurality of groups and are managed and recorded in this form, in which the recording medium includes a program recording area in which the

programs are recorded, a **first management data recording area in which the first management data for supervising the program names of the plural programs is recorded** and a second management data recording area in which the names of the programs collected in the plural groups and the names of the groups are correlated and are recorded as the second management data along with the separating information for separating the program names and the group names.

In another aspect, the present invention provides an editing apparatus for editing a program recorded on a recording medium including a program area for recording a plurality of programs for recording a plurality of programs, and a management area, having recorded therein the first management data for managing the program names for respective programs recorded in the program area, and the **second management data, made up of the range information of program numbers making up each of a plurality of groups into which the plural programs recorded in the program area are collected, special codes partitioning the groups from one another, and group names**, in which the apparatus includes operating means for commanding changes in the sequence of predetermined ones of the plural groups and editing means which, in case changes in the sequence of predetermined ones of the plural groups are commanded by the operating means, **edits the correlation of the range information of program numbers making up each of a plurality of groups in the second management data** and the group names to cause block movement of the predetermined groups.

Reconsideration is respectfully requested of the rejection of claim 1 under 35 U.S.C. 103(a) as being obvious over U.S. Patent No. 6,631,100, to Utsumi, in view of U.S. Patent No. 6,462,263, to Matsumoto et al. and as being obvious over U.S. Patent No. 5,808,223, to Kurakake et al., in view of Matsumoto et al.

Independent claim 1, as amended, relates to a recording medium including a program area for recording a plurality of programs. The programs are managed into a plurality of groups and recorded in this form. The recording medium includes first management information for managing respective program names corresponding to the programs recorded on the program area and second management information including a first special code for partitioning range information of program numbers and group names forming the plurality of programs and a second special code for partitioning each of the respective code names.

Utsumi relates to a recording apparatus, a recording method and a dubbing apparatus for a recording medium where character data relative to programs such as audio data are also recognized together with the programs.

Matsumoto et al. relates to an information recording medium in which main information pieces are recorded. Matsumoto et al. also relates to a reproducing apparatus for reproducing recorded information by playing the information recording medium.

Kurakake et al. relates to a Karaoke sing-along machine that is capable of processing performance music data and lyrical data at the same time.

The cited art, alone or in combination, fails to teach or suggest "a first special code for partitioning range information of

program numbers and group names forming the plurality of programs and a second special code for partitioning each of the respective code names." Accordingly, it is submitted that independent claim 1 is patentable over the cited art for at least this reason.

Reconsideration is respectfully requested of the rejection of claim 1 under 35 U.S.C. 102(e) or alternatively under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,462,263, to Matsumoto et al. in view of either U.S. Patent No. 6,341,196 to Ando et al. or U.S. Patent No. 5,638,346 to Aramaki.

Ando et al. relates to an information recording method of recording video information on an information storage medium and an information reproducing method of reproducing the video information from the information storage medium. The video information recorded on the information storage medium is the digital video information compressed according to the MPEG (Moving Picture Image Coding Experts Group) standards.

Aramaki relates to an apparatus and a method for reproduction from a recording medium comprising a plurality of data tracks and having data track numbers recorded in conjunction therewith.

The cited art, alone or in combination, fails to teach or suggest "a first special code for partitioning range information of program numbers and group names forming the plurality of programs

and a second special code for partitioning each of the respective code names." Accordingly, it is submitted that independent claim 1 is patentable over the cited art for at least this reason.

The Examiner has rejected independent claim 1 under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 4/1 and 3/1 of U.S. Patent No. 6,580,679, to Maeda, assigned to the Assignee in view of Matsumoto et al., assigned to Pioneer Corporation.

Maeda relates to a recording medium for recording a program information in its program area as well as an information inherent to the medium and an information related to the program, and to a reproduction apparatus and method for reproducing from this recording medium the program information, the information inherent to the medium, and the program-related information.

The cited art, alone or in combination, fails to teach or suggest "a first special code for partitioning range information of program numbers and group names forming the plurality of programs and a second special code for partitioning each of the respective code names." Accordingly, it is submitted that independent claim 1 is patentable over the cited art for at least this reason.

Therefore, by reason of the amendments made to the claims hereby, as well as the above remarks, it is respectfully submitted that recording medium, editing method and editing

apparatus as taught by the present invention and as recited in the amended claims, is neither shown nor suggested in the cited references.


The references cited as of interest have been reviewed and are not seen to show or suggest the present invention as recited in the amended claims.

Entry of this amendment is earnestly solicited, and it is respectfully submitted that the amendments made to the claims hereby raise no new issues requiring further consideration and/or search, because all of the features of this invention have clearly been considered by the examiner in the prosecution of this application and because the present amendments serve only to further define and emphasize the novel features of this invention.

Favorable reconsideration is earnestly solicited.

Respectfully submitted,

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